

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DESIGNING COMPOUNDS SPECIFICALLY
TARGETING RIBONUCLEIC ACID**

the specification of which (check one)

 X is attached hereto
 was filed on _____
as application Serial No. _____
 and was amended on: _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	<u>Priority Claimed</u>
_____ (Number)	_____ (Country)
_____ (Number)	_____ (Country)
_____ (Number)	_____ (Country)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of the application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Serial No.)	_____ (Filing Date)	_____ Status (patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ Status (patented, pending, abandoned)

MIT5261

"Designing Compounds Specifically Targeting Ribonucleic Acid"

DECLARATION

As named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

John S. Pratt	<u>301</u> 29,476
James L. Ewing, IV	<u>30,630</u>
Patrea L. Pabst	<u>31,284</u>
Cheryl K. Zalesky	<u>33,052</u>
Dean W. Russell	<u>33,452</u>
Larry W. Stults	<u>34,025</u>

Send Correspondence to: ⁶⁰⁰¹Patrea L. Pabst, Esq.
⁶⁰⁰²Kilpatrick & Cody
⁷⁰¹100 Peachtree Street, Suite 3100
⁷⁰²Atlanta, Georgia 30303

Direct telephone calls to: Patrea L. Pabst (404)572-6508, or
John S. Pratt (404)572-6367

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2/01/00
Full name of sole or first inventor Paul R. Schimmel
Inventor's signature *Paul R. Schimmel* MA Date 09/20/90
Residence 75 CAMBRIDGE PARKWAY WEST 500 CAMBRIDGE MASSACHUSETTS 02142
34 Solomon Pierce Road, Lexington, Massachusetts 02173, U.S.A.
Citizenship United States
Post Office Address Same as above

Full name of second joint inventor (if any) _____
Inventor's signature _____ Date _____
Residence _____
Citizenship _____
Post Office Address _____



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

TO:
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ATLANTA, GA 30303

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 SCHIMMEL, PAUL R.

DOC DATE: 09/20/90

RECORDATION DATE: 09/21/90 NUMBER OF PAGES 002 REEL/FRAME 5464/0929

DIGEST :ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS A
VENUE, CAMBRIDGE, MA 02139 A CORP. OF MA

SERIAL NUMBER	7-586534	FILING DATE	09/21/90
PATENT NUMBER		ISSUE DATE	00/00/00

DOCKETED: _____

BY: UFR

DATE: 12/7/90

07586531

RECORDED
PATENT & TRADEMARK OFFICE

SEP 21 90


ASSIGNMENT

75 CAMBRIDGE PARKWAY WEST SUITE 101
 CAMBRIDGE I, Paul R. Schimmel of 31 ~~Solomon Pierce Road,~~
 Lexington, Massachusetts 02173, in consideration of Five Dollars
 and other valuable consideration paid to me by Massachusetts
 Institute of Technology, a corporation of Massachusetts having
 its principal place of business at 77 Massachusetts Avenue,
 Cambridge, Massachusetts 02139, the receipt of which is hereby
 acknowledged, do hereby sell, assign and transfer unto said
 Massachusetts Institute of Technology, its successors and
 assigns, the entire interest for the United States of America and
 all foreign countries including all rights of priority under the
 International Convention for the Protection of Industrial
 Property in a certain invention or improvement in "Designing
 Compounds Specifically Targeting Ribonucleic Acid" described in
 an application filed herewith in the United States Patent and
 Trademark Office, and in all Letters Patent of the United States
 and all foreign countries which may or shall be granted on said
 invention, or any parts thereof, or on said application, or any
 divisional, continuing, reissue or other applications based in
 whole or in part thereon. And I agree, for myself and my
 executor and administrator, with said corporation and its
 successors and assigns but at its or their expense or charges,
 hereafter to execute all applications, amended specifications,
 deeds or other instruments, and to do all acts necessary or
 proper to secure the grant of Letters Patent in the United States
 and in all other countries to said corporation, with
 specifications and claims in such form as shall be approved by
 the counsel of said corporation and to vest and confirm in said
 corporation, its successors and assigns, the legal title to all
 such patents.

REEL 5464 FRAME 930

And I do hereby authorize and request the Commissioner
 of Patents and Trademarks of the United States to issue such
 Letters Patent as shall be granted upon said application or
 applications based thereon to said corporation, its successors
 and assigns.

WITNESS my hand and seal this 20th day of September,
 1990.

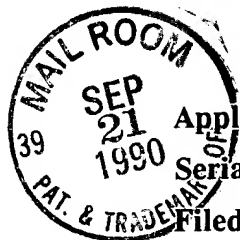

 Paul R. Schimmel

Commonwealth of Massachusetts)
 County of Worcester) ss.

Then personally appeared the above named Paul R.
 Schimmel and acknowledged the foregoing instrument to be his free
 act and deed, before me, this 20th day of September,
 1990.

William A. Collins
 Notary Public

Exp 9-17-93



Applicant or Patentee: Paul R. Schimmel

Serial or Patent No.:

Filed or Issued: September 21, 1990

Attorney's

Docket No.:

MIT5261

For: DESIGNING COMPOUNDS SPECIFICALLY
TARGETING RIBONUCLEIC ACID

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(d)) - NONPROFIT ORGANIZATION**

I hereby declare that I am an official empowered to act on behalf of the
nonprofit organization identified below:

NAME OF ORGANIZATION: Massachusetts Institute of Technology

ADDRESS OF ORGANIZATION: 77 Massachusetts Avenue
Cambridge, Massachusetts 02139

TYPE OF ORGANIZATION:

- ☒ UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- ☐ TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE
(26 USC 501(a) and 501(c)(3))
- ☐ NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE
OF STATE OF THE UNITED STATES OF AMERICA
- ☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE
SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED
IN THE UNITED STATES OF AMERICA
- ☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL
UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
IF LOCATED IN THE UNITED STATES OF AMERICA

I hereby declare that the nonprofit organization identified above qualifies as a
nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees
under section 41(a) and (b) of Title 35, United States Code with regard to the invention
entitled "Designing Compounds Specifically Targeting Ribonucleim Acid"

by inventor(s) Paul R. Schimmel

described in

☒ the specification filed herewith

☐ application serial no. _____, filed _____

☐ patent no. _____ issued _____

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention. If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

***NOTE:** Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.
(37 CFR 1.27)

NAME: _____

ADDRESS: _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORG.

NAME: _____

ADDRESS: _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORG.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: John T. Preston
TITLE IN ORGANIZATION: Director
ADDRESS OF PERSON SIGNING: 77 Massachusetts Avenue, Room E32-300
Cambridge, Massachusetts 02139


SIGNATURE

September 21, 1990

DATE